SONY

3-866-305-21

FD Trinitron

WEGA

Operating Instructions

KV-27FV15
KV-32FS10
KV-32FV15
KV-36FS10
KV-36FV15

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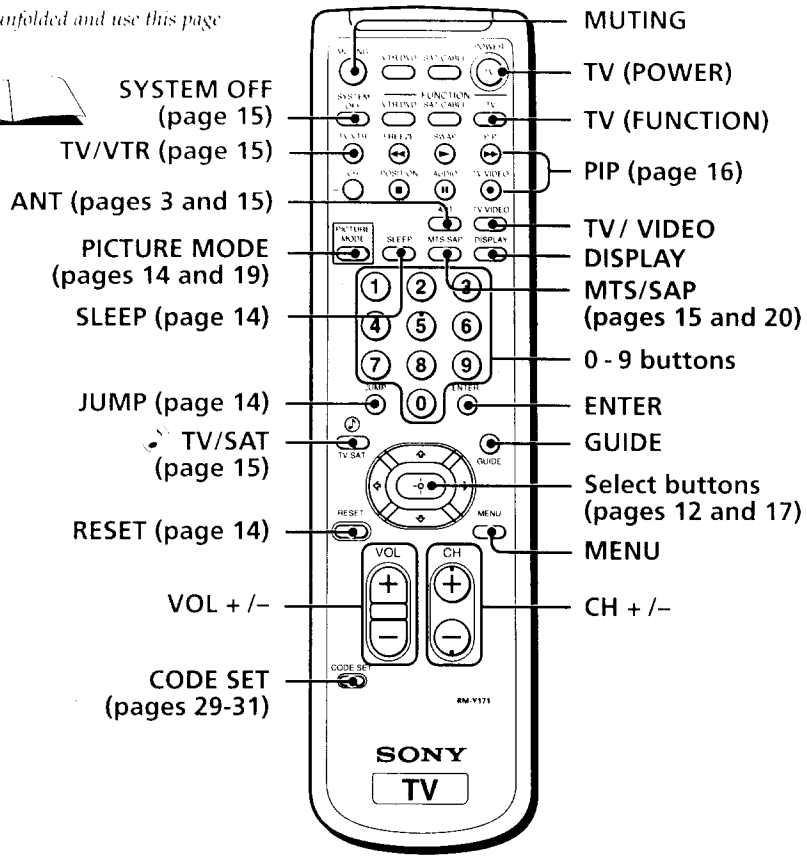
Open Here for Important Safety Information and Remote Control Illustratio

Keep this flap unfolded and use this page for reference.



Getting to know the buttons on the remote control

Names of the buttons on the remote control are in different colors to represent the available functions.

Button color

Clear ..... Indicates which equipment is currently being controlled
Green ..... Buttons relevant to power operations

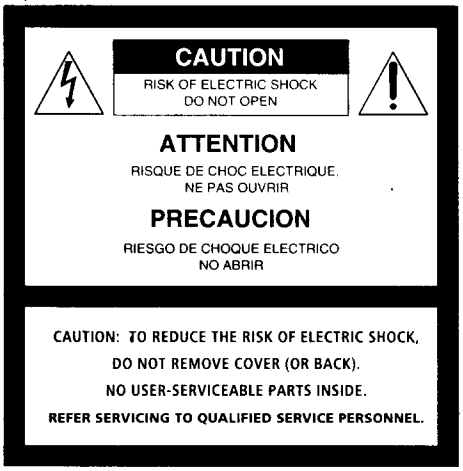
Label color

White ..... TV/VTR (VCR)/DVD/SAT/CABLE operation buttons
Yellow ..... PIP operation buttons
Blue ..... SAT operation buttons
Green ..... SYSTEM OFF operation button

All references to buttons on the remote control will be highlighted with ***bold*** *text.*

WARNING

To reduce the risk of fire or shock hazard, do not expose the TV to rain or moisture.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CAUTION

TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OR PLUG TO WIDE SLOT, FULLY INSERT.

CAUTION

When using TV games, computers, and similar products with your TV, keep the brightness and picture contrast functions at low settings. If a fixed (non-moving) pattern is left on the screen for long periods of time at a high brightness or picture contrast setting, the image can be permanently imprinted onto the screen. Continuously watching the same program can cause the imprint of station logos onto the TV screen. These types of imprints are not covered by your warranty because they are the result of misuse.

Note on Caption Vision

This television receiver provides display of television closed captioning in accordance with §15.119 of the FCC rules.

Note on cleaning the TV

Clean the TV with a soft dry cloth. Never use strong solvents such as thinner or benzine, which might damage the finish of the cabinet.

Note to CATV system installer

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

Use of this television receiver for other than private viewing of programs broadcast on UHF or VHF or transmitted by cable companies for the use of the general public may require authorization from the broadcaster/cable company and/or program owner.

NOTIFICATION

This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful inteference with radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antennas.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

This document is for the remote control RM-Y168, 171.
MODELS: *KV-27FV15, 32FS10, 32FV15, 36FS10, 36FV15*

As an ENERGY STAR® Partner, Sony has determined that this product or product models meets the ENERGY STAR® guidelines for energy efficiency.

ENERGY STAR® is a U.S. registered mark.

Important Safeguards

or your protection, please read these instructions ompletely, and keep this manual for future reference.

arefully observe and comply with all warnings, cautions nd instructions placed on the set, or described in the perating instructions or service manual.

VARNING

o guard against injury, the following basic safety recautions should be observed in the installation, use, nd servicing of the set.

lse

ower Sources

his set should be operated only from the ·pe of power source indicated on the erial/model plate. If you are not sure of ie type of electrical power supplied to our home, consult your dealer or local power company. or those sets designed to operate from battery power, ·fer to the operating instructions.

irounding or Polarization

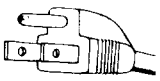
his set is equipped with a polarized AC power cord plug plug having one blade wider than the other), or with a ree-wire grounding type plug (a plug having a third pin r grounding).
ollow the instructions below:

or the set with a polarized AC ower cord plug

his plug will fit into the power outlet only ne way. This is a safety feature. If you are nable to insert the plug fully into the outlet, try reversing ie plug. If the plug should still fail to fit, contact your lectrician to have a suitable outlet installed. Do not defeat ie safety purpose of the polarized plug by forcing it in.

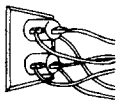
Alternate Warning

For the set with a three-wire grounding type AC plug



This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to have a suitable outlet installed. Do not defeat the safety purpose of the grounding plug.

Overloading



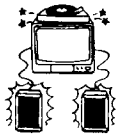
Do not overload wall outlets, extension cords or convenience receptacles beyond their capacity, since this can result in fire or electric shock.

Always turn the set off when it is not to be used. When the set is left unattended and unused for long periods of time, unplug it from the wall outlet as a precaution against the possibility of an internal malfunction that could create a fire hazard.

Object and Liquid Entry

Never push objects of any kind into the set through the cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the set.

Attachments



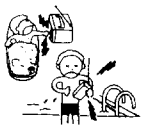
Do not use attachments not recommended by the manufacturer, as they may cause hazards.

Cleaning

Unplug the set from the wall outlet before cleaning or polishing it. Do not use liquid cleaners or aerosol cleaners. Use a cloth lightly dampened with water for cleaning the exterior of the set. If a snapping or popping sound from a TV set is continuous or frequent while the TV is operating, unplug the TV and consult your dealer or service technician. It is normal for some TV sets to make occasional snapping or popping sounds, particularly when being turned on or off.

Installation

Water and Moisture



Do not use power-line operated sets near water — for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc.

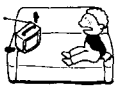
Accessories

Do not place the set on an unstable cart, stand, table or shelf. The set may fall, causing serious injury to a child or an adult, and serious damage to the set. Use only a cart or stand recommended by the manufacturer for the specific model of TV. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

Ventilation

The slots and openings in the cabinet and in the back or bottom are provided for necessary ventilation. To ensure reliable operation of the set, and to protect it from overheating, these slots and openings must never be blocked or covered.

- **Never cover the slots and openings with a cloth or other materials.**

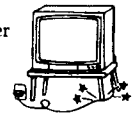


- **Never block the slots and openings by placing the set on a bed, sofa, rug or other similar surface.**

- **Never place the set in a confined space, such as a bookcase, or built-in cabinet, unless proper ventilation is provided.**

- **Do not place the set near or over a radiator or heat register, or where it is exposed to direct sunlight.**

Power-Cord Protection



Do not allow anything to rest on or roll over the power cord, and do not place the set where the power cord is subject to wear or abuse.

Antennas

Outdoor Antenna Grounding

If an outdoor antenna is installed, follow the precautions below.

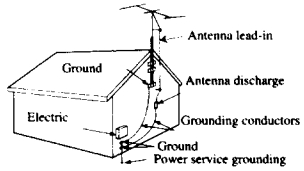
An outdoor antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can come in contact with such power lines or circuits.

WHEN INSTALLING AN OUTDOOR ANTENNA SYSTEM, EXTREME CARE SHOULD BE TAKEN TO KEEP FROM CONTACTING SUCH POWER LINES OR CIRCUITS AS CONTACT WITH THEM IS ALMOST INVARIABLY FATAL.

Be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code (NEC) in USA and Section 54 of the Canadian Electrical Code in Canada provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.

Antenna Grounding According to the NEC

Refer to section 54-300 of Canadian Electrical Code for Antenna Grounding.



NEC: National

Lightning

For added protection for this television receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna. This will prevent damage to the receiver due to lightning and power-line surges.

Service

Damage Requiring Service

Unplug the set from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- **When the power cord or plug is damaged or frayed.**

- **If liquid has been spilled into the set.**

- **If the set has been exposed to rain or water.**

- **If the set has been subject to excessive shock by being dropped, or the cabinet has been damaged.**

- **If the set does not operate normally when following the operating instructions. Adjust only those controls that are specified in the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the set to normal operation.**

- **When the set exhibits a distinct change in performance — this indicates a need for service.**

Servicing

Do not attempt to service the set yourself since opening the cabinet may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

Replacement Parts

When replacement parts are required, be sure the service technician certifies in writing that he has used replacement parts specified by the manufacturer that have the same characteristics as the original parts.

Unauthorized substitutions may result in fire, electric shock, or other hazards.

Safety Check

Upon completion of any service or repairs to the set, ask the service technician to perform routine safety checks (as specified by the manufacturer) to determine that the set is in safe operating condition, and to so certify. When the set reaches the end of its useful life, improper disposal could result in a picture tube implosion. Ask a qualified service technician to dispose of the set.

Welcome!

Thank you for purchasing the Sony Trinitron® Color TV. Before reading, check the model number located on the front of this manual.

The menus and illustrations used in these instructions are for KV-36FV15 to show the maximum number of features available. Differences in operation or features will be indicated in the text, for example, "KV-36FV15 only."

Model Number	S VIDEO INPUTS	PICTURE IN PICTURE (PIP)	FAVORITE CHANNEL	COMPONENT VIDEO INPUTS	S-LINK
KV-27FV15	•	•	•		•
KV-32FS10	•		•	•	
KV-32FV15	•	•	•	•	•
KV-36FS10	•		•	•	
KV-36FV15	•	•	•	•	•

Precautions

Safety

- Operate the TV only with 120 V AC .
- The plug is designed, for safety purposes, to fit in the wall outlet only one way. If you are unable to insert the plug fully into the outlet, contact your dealer.
- If any liquid or solid object should fall inside the cabinet, unplug the TV immediately and have it checked by qualified personnel before operating it further.

Installing

- To prevent internal heat build-up, do not block the ventilation openings.
- Do not install the TV in a hot or humid place, or in a place subject to excessive dust or mechanical vibration.
- The AC power cord is attached to the rear of the TV with hooks. Do not attempt to remove the cord from these hooks. Doing so could cause damage to the TV.

Using This Manual

This manual is divided into five major sections. We recommend that you review the contents before you begin to use your new TV.

1 Connecting and Installing the TV
This section guides you through your initial set up. It shows how to connect to your antenna or cable, and connect any accessories.

2 Basic Set Up
This section teaches you the basic skills needed to operate your new TV.

3 Using your New TV
This section shows the initial setup screen and how to use your remote control.

4 Using your Menus
This section teaches you how to access on-screen menus and adjust your TV's settings.

5 Troubleshooting
This section helps you to correct problems you may encounter with your TV.

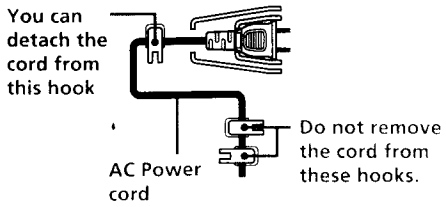
Making Connections

Refer to the table below, it will direct you to the diagram suitable to the equipment you will be connecting.

If you will be connecting	See page
Cable or antenna only	3
Cable and antenna	3
Cable box	4
Cable box and cable to view scrambled channels	4
VCR and cable or antenna	5
VCR and cable box	5
Two VCRs for tape editing	6
Satellite Receiver	7
VCR and Satellite Receiver	7
DVD Player	8
DVD Player with component video output connectors	8
Audio system	9
Camcorder to view tapes	9
CONTROL S	10
VCR using S-Link	11
Satellite Receiver using S-Link	11

Note about the AC Power Cord

The AC power cord is attached to the rear of the TV with hooks. Use caution when removing the AC plug from its holder. Gently slide the cord in the upward direction, without removing the cord from the two lower hooks.

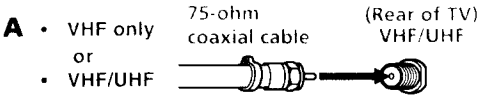


Cable or Antenna Connections

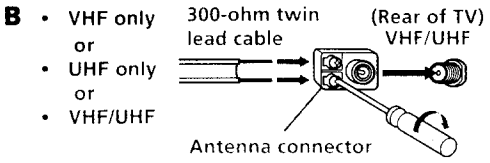
Connecting directly to cable or an antenna

The connection you choose will depend on the cable found in your home. Newer homes will be equipped with standard coaxial cable (see **A**); older homes will probably have 300-ohm twin lead cable (see **B**); still other homes may contain both (see **C**).

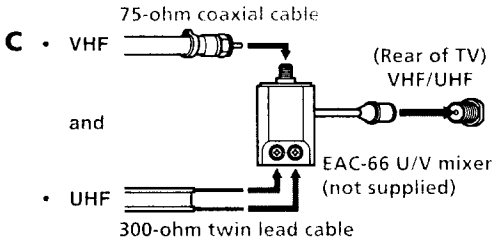
A



B

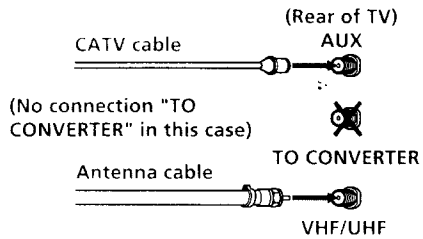


C



Cable and antenna

If your cable provider does not feature local channels, you may find this set up convenient.



Select CABLE or antenna (ANT) mode by pressing **ANT** on the remote control.

Note

In order to receive channels with an antenna, you will need to turn your CABLE to OFF and perform the AUTO PROGRAM function, (see page 23).

Cable Box Connections

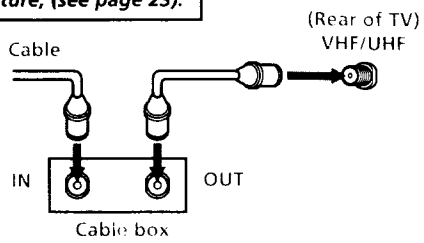
Some pay cable TV systems use scrambled or encoded signals that require a cable box to view all channels.

Cable box

1 Connect the coaxial connector from your cable to the IN on your cable box.

2 Using a coaxial cable, connect OUT on your cable box to VHF/UHF on your TV.

If you will be controlling all channel selection through your cable box, you should consider using the CHANNEL FIX feature, (see page 23).



Cable box and cable

For this set up, you can switch between scrambled channels (through your cable box), and normal (CATV) channels by pressing **ANT** on your remote control.

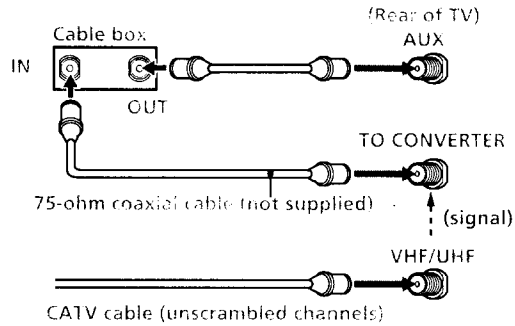
Notes

- Your Sony remote control can be programmed to operate your cable box, (see page 31).
- When using PIP, you cannot view the AUX input in the window picture.

Tip

Pressing ANT switches between these inputs.

If you are connecting a cable box through the AUX input and would like to switch between the AUX and normal (CATV) input you should consider using the CHANNEL FIX feature, (see page 23).



VCR Connections

Connecting an antenna/cable TV system with a VCR

1 Attach the coaxial connector from your cable or antenna to IN on your VCR.

2 Using A/V connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.

3 Using a coaxial connector, connect OUT on your VCR to VHF/UHF on your TV.

Tip

If you are connecting a monaural VCR, connect only the single white audio output to the left input on your TV.

Connecting a VCR and TV with a cable box

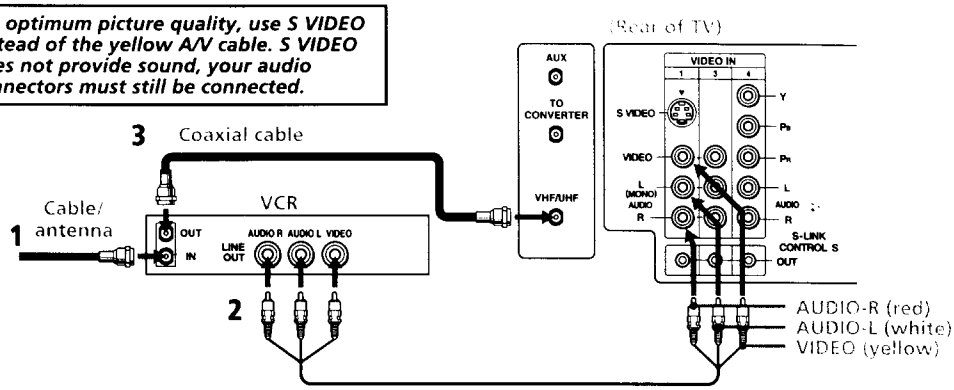
1 Connect the coaxial cable from the wall to IN on your cable box .

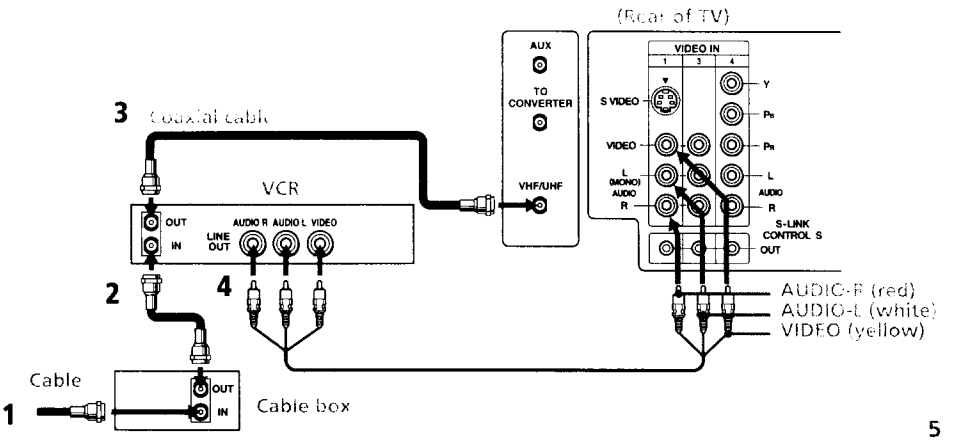
2 Using a coaxial connector, connect OUT on your cable box to IN on your VCR.

3 Connect a coaxial cable (not supplied) from the OUT jack on your VCR to VHF/UHF on your TV.

4 Using A/V connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.

For optimum picture quality, use S VIDEO instead of the yellow A/V cable. S VIDEO does not provide sound, your audio connectors must still be connected.





Connecting two VCRs for tape editing

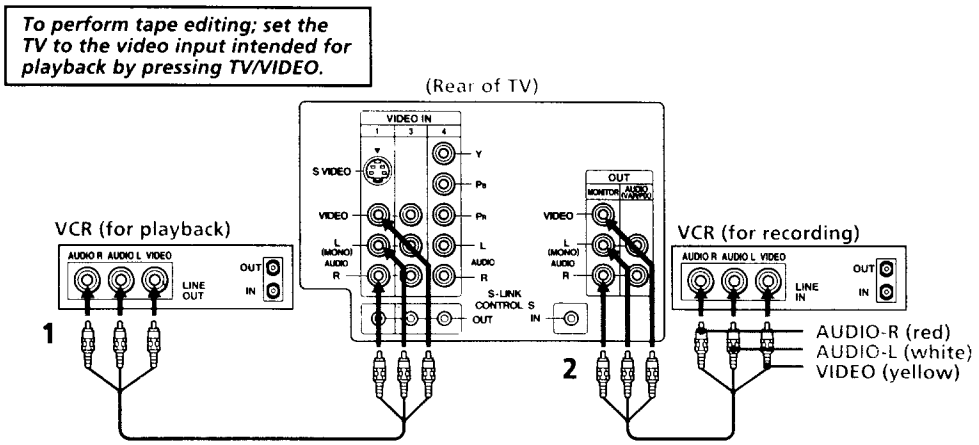
MONITOR OUT gives you the ability to use a second VCR to record a program being played by the primary VCR or to perform tape editing and dubbing.

1 Connect the VCR intended for playback using the connection instructions on page 5 of this manual.

2 Using A/V connectors, connect AUDIO and VIDEO IN on your VCR intended for recording to MONITOR AUDIO and VIDEO OUT on your TV.

Note

You cannot record signals from equipment connected to the Y, P_B, P_R input.



Satellite Receiver Connections

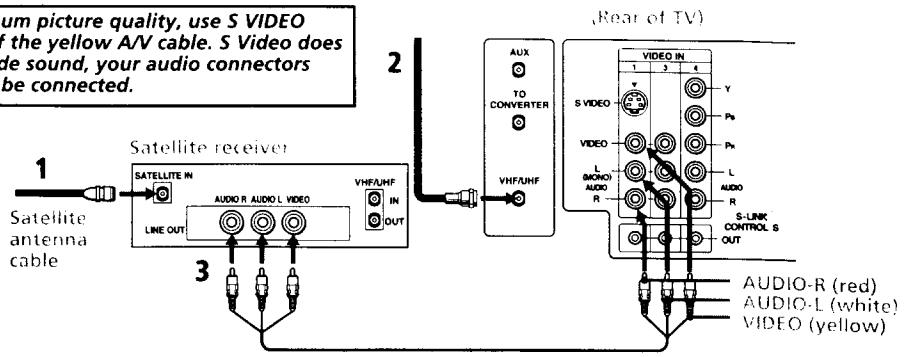
Connecting a satellite receiver

1 Connect the cable from your satellite antenna to SATELLITE IN on your receiver.

2 Attach the coaxial connector from your cable or antenna to VHF/UHF on your TV.

3 Using A/V connectors, connect AUDIO and VIDEO OUT on your receiver to AUDIO and VIDEO IN on your TV.

For optimum picture quality, use S VIDEO instead of the yellow A/V cable. S Video does not provide sound, your audio connectors must still be connected.



Connecting a satellite receiver and a VCR

1 Connect the cable from your satellite antenna to SATELLITE IN on your receiver.

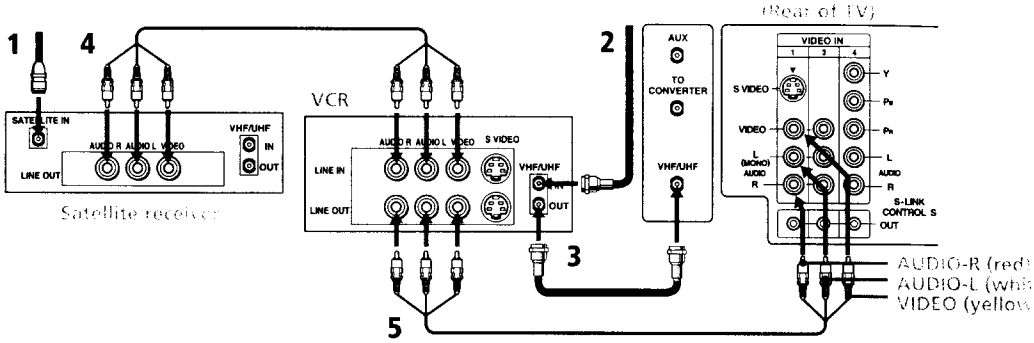
2 Attach the coaxial connector from your cable or antenna to IN on your VCR.

3 Using a coaxial connector, connect OUT on your VCR to VHF/UHF on your TV.

4 Using A/V connectors, connect AUDIO and VIDEO OUT on your receiver to AUDIO and VIDEO IN on your VCR.

5 Using A/V connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.

Pressing TV/VIDEO on the remote control will allow you to view from the satellite receiver or VCR.

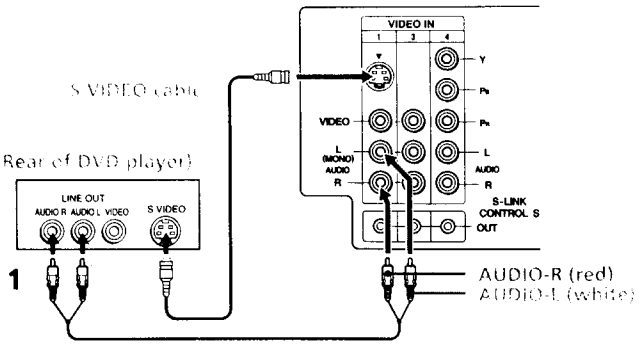


DVD Player Connections

Connecting a DVD Player

1 Using audio connectors, connect AUDIO OUT on your DVD player to AUDIO IN on your TV.

2 Using an S VIDEO cable, connect S VIDEO on your DVD player to S VIDEO on your TV.



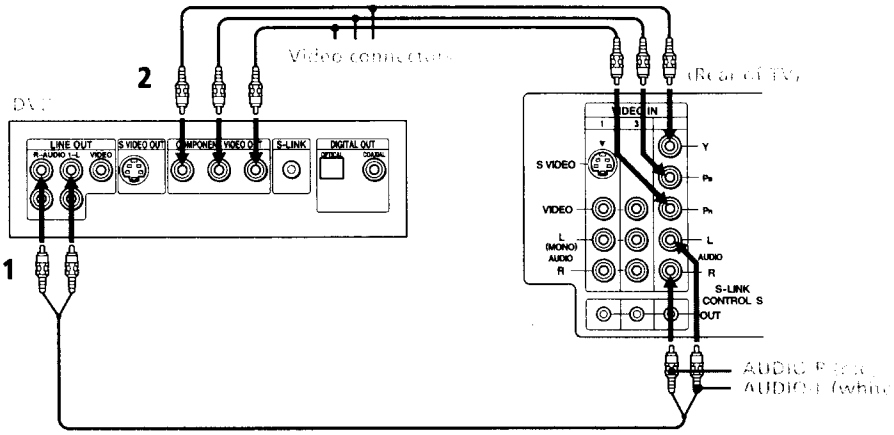
Connecting a DVD Player with component video output connectors

Except KV-27FV15

This connection option offers the highest quality DVD picture.

1 Using AUDIO connectors, connect AUDIO R and L of the LINE OUT on your DVD player to AUDIO R and L on the VIDEO IN 4 panel at the rear of your TV.

2 Using three VIDEO connectors, connect Y, P_B, and P_R on the COMPONENT VIDEO OUT on your DVD player to Y, P_B, and P_R on the VIDEO IN 4 panel at the rear of your TV.



Note

Some DVD player terminals may be labeled Y, C_B, and C_R, or Y, B-Y, and R-Y. If so, connect them by matching the colors.

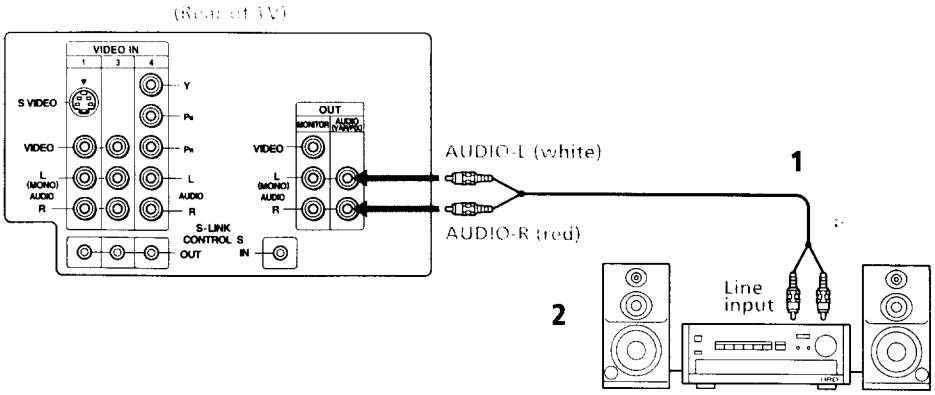
Additional Connections

Connecting an audio system

For an enhanced sound, connect your audio system to your TV.

1 Using AUDIO connectors, connect AUDIO OUT on your TV to one of the unused Line inputs (e.g. Tape-2, AUX1, etc.) on your stereo.

2 Set your stereo to the chosen Line input and use the AUDIO ♪ menu to set your audio output, (see page 20).



Connecting a camcorder

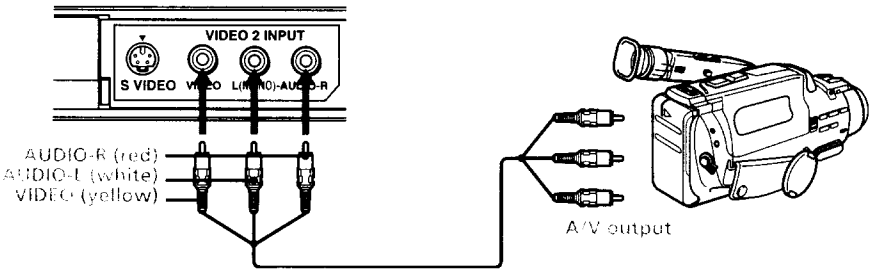
This connection is convenient for viewing a picture directly from your camcorder.

Using A/V connectors, connect AUDIO and VIDEO OUT on your camcorder to AUDIO and VIDEO IN on your TV.

Tip

If you are connecting a monaural camcorder, connect only the single white audio output to the left input on your TV.

If you have an S VIDEO equipped camcorder, you can use an S Video cable for optimum picture quality.



Using Special Sony Features

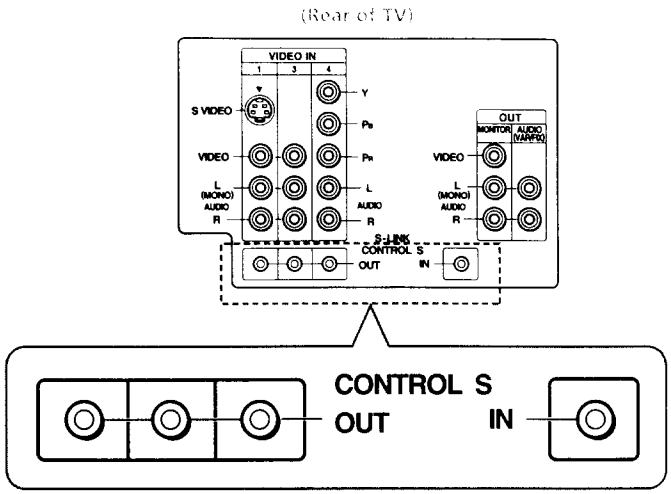
Using the CONTROL S feature

KV-27FV15, 32FV15, 36FV15 only

CONTROL S allows you to control your TV and other Sony equipment with one remote control.

Using the supplied CONTROL S cable, connect CONTROL S IN on your Sony equipment, (e.g. VCR) to CONTROL S OUT on your TV.

You can also program your remote control to operate other equipment, (see page 29).



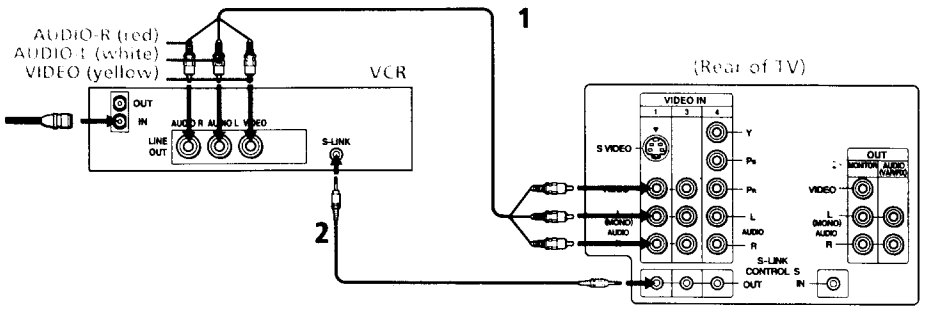
Connecting S-Link to a VCR

KV-27FV15, 32FV15, 36FV15 only

S-Link automatically powers on the TV and switches to the correct video input when a tape is inserted in the VCR.

1 Using A/V connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.

2 Using an S-Link connector (mono mini plug), connect S-LINK on your VCR to S-LINK/CONTROL S-OUT in the same VIDEO IN column on your TV.



Connecting S-Link to a satellite receiver

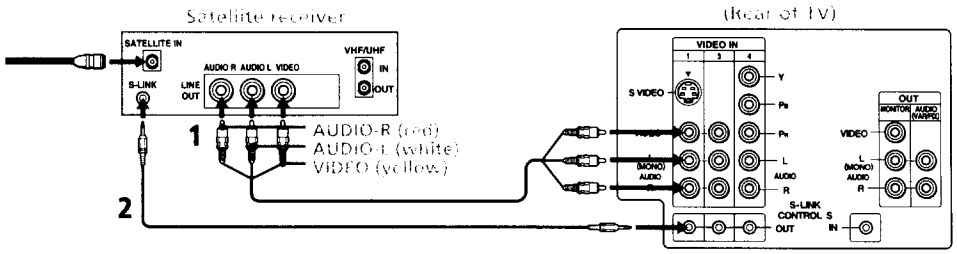
KV-27FV15, 32FV15, 36FV15 only

When you power on the satellite receiver , S-Link automatically powers on the TV and switches to the correct video input.

1 Using A/V connectors, connect AUDIO and VIDEO OUT on your satellite receiver to AUDIO and VIDEO IN on your TV.

2 Using an S-Link connector (mono mini plug), connect S-LINK on your satellite receiver to S-LINK/CONTROL S-OUT in the same VIDEO IN column on your TV.

The S-Link connector must be in the same VIDEO-IN column as the connected A/V cables.

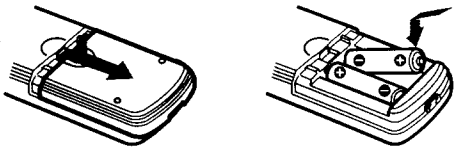


Note

The S-Link feature will override the "SKIP" VIDEO LABEL input, (see page 22).

Inserting batteries

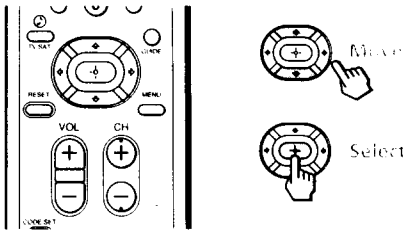
Insert two size AA (R6) batteries (supplied) by matching the + and – on the batteries to the diagram inside the battery compartment.



Notes

- Remove the batteries to avoid damage from possible battery leakage whenever you anticipate that the remote control will not be used for an extended period.
- Handle the remote control with care. Avoid dropping it, getting it wet, or placing it in direct sunlight, near a heater, or where the humidity is high.
- Your remote control can be programmed to operate most video equipment, (see page 29).

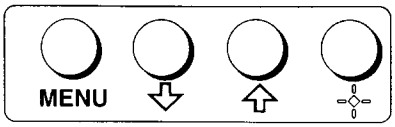
Using the remote control move & select buttons



The supplied remote control has "arrow" buttons (↑, ↓, ←, →) which allow for movement of the on-screen (▶) cursor. Pressing on the outer buttons will cause the cursor to *move* in the corresponding direction. Pressing the center button (⊙) will *select* the item.

Front panel menu control

The front panel menu controls allow access to the on-screen menus without the use of a remote control. Pressing the **MENU** button will bring up the on-screen menus. The arrow buttons, (↑,↓) move the on-screen cursor in the menus and the (-⊹-) button selects the menu item.



Setting up the TV automatically

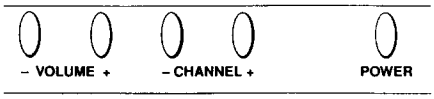
After you have finished connecting your TV, you will want to run AUTO PROGRAM to set up your channels.

The AUTO PROGRAM feature does not apply for installations that use a cable box for all channel selection.

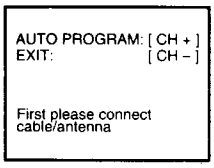
Tips

- *Perform this function during the day, with the antenna and/or cable properly connected, to ensure that all available channels will be broadcasting and receivable.*
- *If your cable or antenna is connected to AUX, press* **ANT** *until AUX appears next to the channel number.*

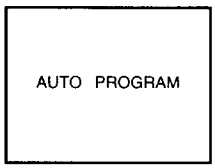
Using the buttons on the top of the TV:



1 Press POWER to turn on the TV. The initial setup screen appears.



2 Press CH + to run AUTO PROGRAM or press CH – to exit.



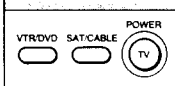
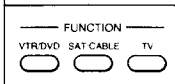
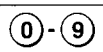
Tips

To reset your TV to factory settings, turn the TV on. Then, while pressing the **RESET** *button on your remote control, press the* **POWER** *button on your TV. The TV will turn itself off, then back on.*

Watching the TV

The following chart explains more advanced buttons on your remote control.

REFER TO THE ILLUSTRATION OF THE REMOTE CONTROL ON THE INSIDE FRONT COVER OF THIS MANUAL AS YOU REVIEW THIS CHART

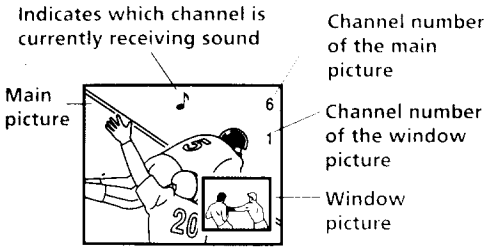
Using the White Labeled Buttons for TV Operations	
	Press when you want to turn connected equipment on and off.
	Press when you want to control connected equipment with your remote control, (see pages 29-31 for instructions on programming your remote control).
	Use for direct channel selection. Press **0-9** to select a channel, the channel will change after 2 seconds, or you can press **ENTER** for immediate selection.
	Cycles through the VIDEO MODE settings: VIVID, SPORTS, MOVIE, STANDARD.
	Alternates back and forth between the last two channels selected with the **0-9** keys.
	Instantly turns off the sound. Press again or press **VOL** + to restore sound.
	Turns the TV off in approximately 30, 60, or 90 minutes. Cancel by pressing until SLEEP OFF appears.
	Press to return to factory settings while in the on-screen menus.

Using the White Labeled Buttons for TV Operations	
DISPLAY	Press once to display current time (if set) and channel number. Press again to activate current CAPTION VISION setting. To cancel, press **DISPLAY** until DISPLAY OFF appears.
TV/VIDEO	Press repeatedly to cycle through available video inputs: TV, VIDEO 1, VIDEO 2, VIDEO 3 and VIDEO 4
ANT *(AUX input)*	Press to change the VHF/UHF input to the AUX input.
TV/VTR	Press when you are finished using a VCR and you want to switch to the TV input. Your VCR power will remain on.
MTS/SAP	Cycles through the Multi-channel TV Sound (MTS) options: STEREO, SAP (Second Audio Program), MONO (see page 20).
SYSTEM OFF	Powers off all Sony equipment at once. *This feature may not work with older Sony equipment.*
TV/SAT	Cycles through the available audio settings.

Using Picture-in-Picture – PIP

KV-27FV15, 32FV15, 36FV15 only

These models are equipped with dual tuners. This means that PIP is "ready to use".



Notes

- You must press **TV** (FUNCTION) before you can control PIP with the yellow labeled buttons.
- The AUX input cannot be viewed in the window picture.

REFER TO THE ILLUSTRATION OF THE REMOTE CONTROL ON THE INSIDE FRONT COVER OF THIS MANUAL AS YOU REVIEW THIS CHART

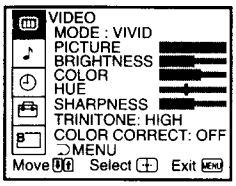
Use the Yellow Labeled Buttons for PIP Operations	
PIP ⏩	Displays the window picture. Press again to decrease the size. To cancel, press until the window picture turns off.
TV/VIDEO ⏺	Cycles through available video inputs: TV, VIDEO 1, VIDEO 2, VIDEO 3, VIDEO 4
AUDIO ⏸	Alternates sound between the main picture and the window picture. A ♪ will appear to indicate which picture is receiving sound.
TV/VTR + CH -	Changes the channel in the window picture.
POSITION ⏹	Moves the location of the window picture.
FREEZE ⏪	Press to freeze the window picture. Press again to restore the picture.
SWAP ▶	Switches the position of the main picture with the window picture.

Learning menu selection

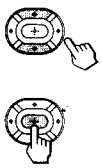
Use the **MENU** button to access a menu and use the arrow buttons (↑ or ↓) to alter settings. Use the following example, in which we activate the CABLE, to learn how to modify settings.

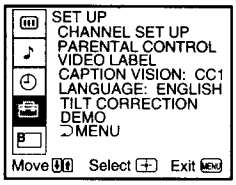
1 Press the **MENU** button.

The main menu appears.

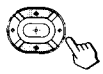


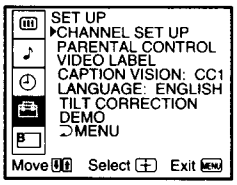
2 Press ↑ or ↓ to highlight the desired menu (in this case SET UP), and press ⊕ to select it.





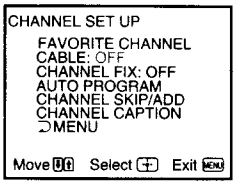
3 Press ↑ or ↓ to move to the desired option and press ⊕.



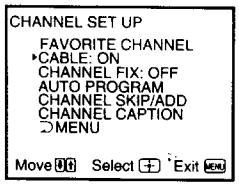


4 Press ↑ or ↓ to move to the desired feature and press ⊕.

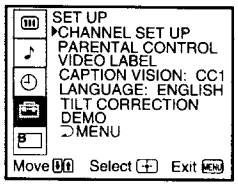
Options for your selection will be highlighted.



5 Press ↑ or ↓ to make your selection and press ⊕.



When you are finished making changes to the selected menu, choose ↩ MENU to return to the main menu.



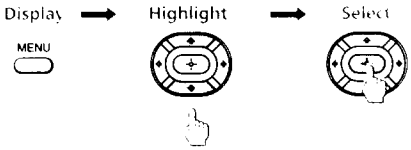
Tip

*Pressing **MENU** on the remote control will allow you to exit from the menus at any time.*

Quick start to the menus

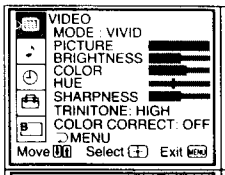
The following is a guide to your menus.

To select a menu:

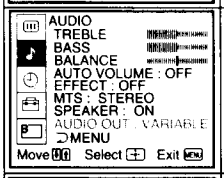


Note

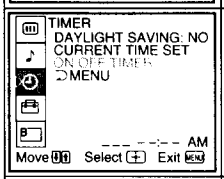
Menus shown are for KV-36FV15, your menus may not look exactly like those illustrated.



The VIDEO menu will allow you to make adjustments to your picture settings. It will also allow you to customize the picture MODE based on the type of program you are viewing.



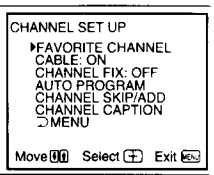
The AUDIO menu offers enhanced audio options such as listening to second audio programming (SAP), or customizing the EFFECT of the sound on your TV.

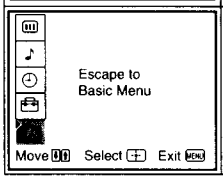


The TIMER menu sets the clock on your TV and allows you to program your TV for scheduled viewing using the ON/OFF TIMER.

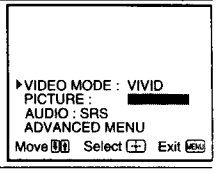
The SET UP menu provides several options for setting up your channels, labeling your TV/VIDEO inputs, and selecting the LANGUAGE of your menus.

The CHANNEL SET UP menu is a sub-menu which provides further options for setting up your TV.

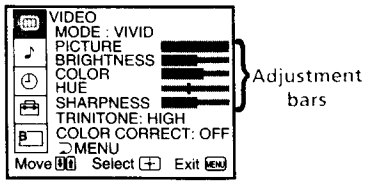




The Basic Menu provides quick access to frequently used settings.

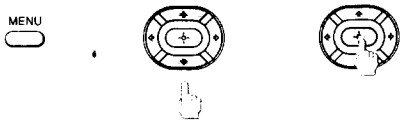


Using the VIDEO menu



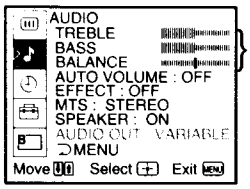
To select the VIDEO menu:

Display → Highlight → Select

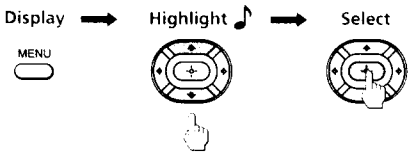


MODE *Customized picture viewing*	**VIVID:** Select for enhanced picture contrast and sharpness. **SPORTS:** Select for a bright picture. **MOVIE:** Select for a finely detailed picture. **STANDARD:** Select to receive a standard picture. *Press the **PICTURE MODE** button to access one of the above settings directly.*
PICTURE *Picture contrast*	Adjust left to decrease picture contrast and soften the color. Adjust right to increase picture contrast and create more vivid color.
BRIGHTNESS *Picture adjustment*	Adjust left to darken the picture. Adjust right to brighten the picture.
COLOR *Color saturation*	Adjust left to decrease color intensity or saturation. Adjust right to increase color intensity or saturation.
HUE *Color tones*	Adjust left to increase the red tones. Adjust right to decrease the red tones.
SHARPNESS *Picture detail*	Adjust left to soften the picture detail. Adjust right to sharpen the picture detail.
TRINITONE *White intensity adjustment*	**HIGH:** Gives the white colors a blue tint. **MEDIUM:** Gives the white colors a neutral tint. **NTSC STD:** Gives the white colors a red tint.
COLOR CORRECT *Color ratio adjustment*	**ON:** Emphasizes reds and blues. **OFF:** Emphasizes greens.

Using the AUDIO ♪ menu



To select the AUDIO ♪ menu:

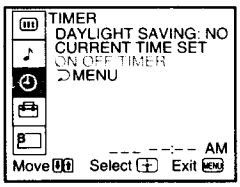


Tips

- *Press ♪ to cycle through your AUDIO options.*
- *Press **MTS/SAP** on your remote control to cycle through the MTS options.*

TREBLE	Adjust left or right to decrease or increase higher pitched sound.
BASS	Adjust left or right to decrease or increase low pitched sounds.
BALANCE	Adjust left or right to emphasize left and right speaker balance.
AUTO VOLUME *Stabilizes volume*	(KV-27FV15, 32FV15, 36FV15 only) **ON**: Select to stabilize the volume. **OFF**: Select to turn AUTO VOLUME off.
EFFECT *Enhanced audio*	**SIMULATED**: Adds a surround-like effect to mono programs. **SRS**: Produces a dynamic three dimensional sound for stereo signals. **OFF**: Normal stereo or mono reception.
MTS *Multi-Channel sound*	**MONO**: Select to reduce noise in areas with poor reception. **SAP**: Select to listen to bilingual broadcast or other Second Audio Programs (SAP). **STEREO**: Select when viewing a broadcast in stereo.
SPEAKER *Custom selection of audio output source*	**ON:** Select to listen to the sound from the TV speakers with or without a separate stereo system. **OFF:** Select to turn off the TV speakers and listen to the TV's sound only through external audio system speakers.
AUDIO OUT *Use to control the TV's volume through a stereo*	AUDIO OUT can only be set when SPEAKER is set to OFF. **VARIABLE:** Adjust the volume through your TV. **FIXED:** Adjust the TV volume through a connected stereo.

Using the TIMER menu



To select the TIMER menu:

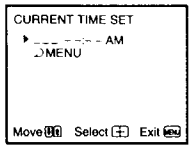
Display → Highlight → Select

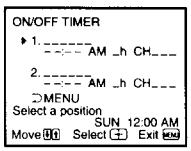
MENU

Tip

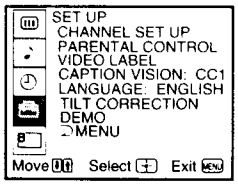
Set DAYLIGHT SAVING before setting the clock.

DAYLIGHT SAVING	**YES:** Select to compensate for Daylight Saving Time. **NO:** Select at the end of Daylight Saving Time.
CURRENT TIME SET *Necessary for the ON/OFF TIMER*	With the CURRENT TIME SET menu open: **1** Press ⊕. **2** Press ↑ or ↓ until the current day is displayed. Press ⊕ to select. **3** Press ↑ or ↓ until the current hour and AM/PM is displayed. Press ⊕ to select **4** Press ↑ or ↓ until the current minute is displayed, and press ⊕. *Any loss of power will cause these settings to be cleared.*
ON/OFF TIMER *Wake up or scheduled viewing*	*CURRENT TIME SET must be programmed before you can use the ON/OFF TIMER.* With the ON/OFF TIMER menu open: **1** Choose the ON/OFF TIMER you would like to set and press ⊕. **2** Press ↑ or ↓ until the desired day or range of days is displayed. Press ⊕ to select. **3** Indicate the time that you want the TV to turn on (hour, then minutes) by pressing ↑ or ↓ and then ⊕. **4** Set the time duration (maximum of 6 hours) by pressing ↑ or ↓ and then ⊕. **5** Press ↑ or ↓ until you reach the desired channel. Press ⊕ to select. *When you perform AUTO PROGRAM, all ON/OFF TIMER settings will be cleared.*

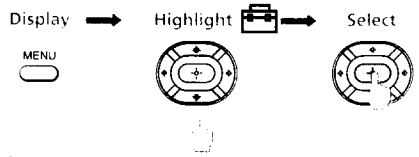




Using the SET UP menu



To select the SET UP menu:

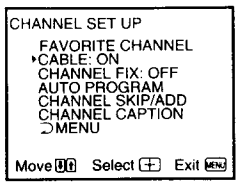


Note

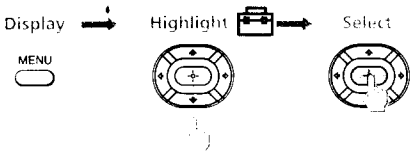
The FAVORITE CHANNEL feature is not available for the AUX input.

CHANNEL SET UP **PARENTAL CONTROL**	The CHANNEL SET UP menu is a submenu which provides further options for setting up your TV. (see page 23) The PARENTAL CONTROL feature provides parents several options for programming the TV to block shows based on their rating. (see pages 25-28).
VIDEO LABEL *Label connected equipment for easy recognition*	**With the VIDEO LABEL window open:** 1 Press ↑ or ↓ to access the input you want to label and press ⊕. 2 Press ↑ or ↓ to choose the label and press ⊕. **VIDEO LABEL Options:** VIDEO 1/2/3: VHS, 8mm, BETA, LD, GAME, SAT, DVD, WEB, RECEIVER, DTV, SKIP VIDEO 4: DVD, DTV, SKIP If you select SKIP, your TV will skip this connection when you press the **TV/VIDEO** button.
CAPTION VISION *Closed Captioning and channel information*	**CC1, 2, 3 or 4:** Displays a printed version of the dialog or sound effects of a program, (the mode should be set to CC1 for most programs). **TEXT1, 2, 3 or 4:** Displays network/station information presented using either half or the whole screen. **XDS (Extended Data Service):** Displays network name, program name, program length, and time of the show if the broadcaster offers this service.
LANGUAGE	Select from available languages to display all menus in your language of choice.
TILT CORRECTION	Press ↑ or ↓ to correct any tilt of the picture between +5 and –5 and press ⊕.
DEMO	Select to run a demonstration of on-screen menus.

Using the CHANNEL SET UP menu



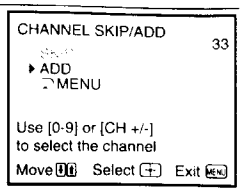
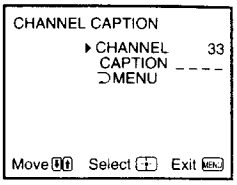
To select the CHANNEL SET UP menu:



Note

Your remote control can be programmed to operate your cable box. (see page 31)

FAVORITE CHANNEL	**Setting FAVORITE CHANNEL:** 1 Press ⊂ and then ↑ or ↓ to select AUTO or MANUAL. (Selecting AUTO will display the last five channels chosen with the remote control's 0-9 buttons.) 2 Press ↑ or ↓ to move the cursor to 1, 2, 3, 4 or 5 and press ⊕. 3 Press ↑ or ↓ to access the desired channel and press ⊕. To preview your favorite channels in the window picture, set PREVIEW to ON. **Using FAVORITE CHANNEL:** 1 Exit all menus and press ⊕, your FAVORITE CHANNEL options will appear. 2 Press ↑ or ↓ to access the channel you want to watch, and press ⊕. For KV-27FV15, 32FV15, 36FV15 only If PREVIEW is set to ON, a window picture displays your favorite channels as you cycle through the options.
CABLE	**ON:** Select if you are receiving cable channels with a CATV cable. **OFF:** Select if you are using an antenna. You will need to run AUTO PROGRAM after changing your CABLE settings.
CHANNEL FIX	**2-6:** Select when you want to control all channel selection through a cable box. Select the appropriate channel number (usually 3 or 4) and use the cable box's remote control for selection. **AUX 2-6:** Select when a cable box is connected to the AUX input, (see page 4). Press the **AUX** button to alternate between. **VIDEO:** Select from available video inputs when you have video equipment connected (e.g. satellite receiver) and you want your TV fixed to it.
AUTO PROGRAM	Instructs the TV to program all receivable channels.

CHANNEL SKIP/ADD	With the CHANNEL SKIP/ADD window open: **1** Select the desired channel. **2** Press ◁▷ to SKIP or ADD (only one option will be available).	
CHANNEL CAPTION	With the CHANNEL CAPTION menu open: **1** Press ◁▷ and then ▲ or ▼ to access the desired channel, and press ◁▷ again. **2** Press ▲ or ▼ to display the first letter or number of the caption and press ◁▷ to select it. **3** Press ◁▷ to activate.	

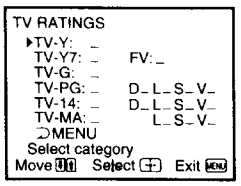
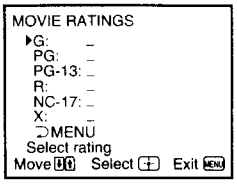
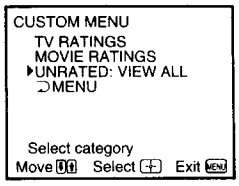
The Parental Guideline Rating System

This table provides a brief overview of the ratings systems available for the PARENTAL CONTROL feature.

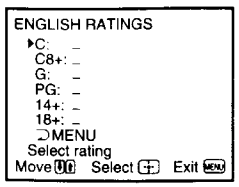
For detailed information on how to change your TV rating, see pages 27-28.

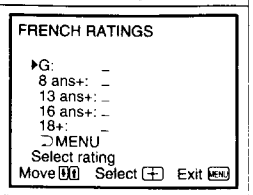
Notes

- The content ratings will increase depending on the level of the age-based rating. For example, a program with a TV-PG V (Violence) rating may contain moderate violence, while a TV-14 V (Violence) rating may contain more intense violence.
- If you choose to block unrated TV programs, please be aware that the following programs may be blocked: emergency broadcasts, political programs, sports, news, public service announcements, religious programs and weather.

Overview of the Ratings		
TV RATINGS	**Age based options:** **TV-Y:** All children. **TV-Y7:** Directed to older children. **TV-G:** General Audience. **TV-PG:** Parental Guidance suggested. **TV-14:** Parents Strongly cautioned. **TV-MA:** Mature Audience only. **Content based options:** **FV:** Fantasy Violence. **D:** Suggestive Dialogue. **L:** Strong Language. **S:** Sexual situations. **V:** Violence.	
MOVIE RATINGS	(U.S. models only) **G:** All children. **TV-PG:** Directed to older children. **PG-13:** General Audience. **R:** Parental Guidance suggested **NC-17:** No one under 17 admitted. **X:** No one under 17 admitted.	
UNRATED	(U.S. models only) **VIEW ALL:** Allows all unrated programming. **BLOCK TV:** Blocks all unrated TV programs. **BLOCK MOVIE:** Blocks all unrated movies. **BLOCK ALL:** Blocks all unrated programming.	

Overview of the Ratings	
ENGLISH RATINGS *For Canadian programs that are broadcast in English*	(Canadian models only) **C:** All children. **C8+:** Children 8 years and older. **G:** General programming. **PG:** Parental Guidance. **14+:** Viewers 14 and older. **18+:** Adult programming.
FRENCH RATINGS *For Canadian programs that are broadcast in French*	(Canadian models only) **G:** General programming. **8 ans+:** Not recommended for young children. **13 ans+:** Not recommended for ages under 13. **16 ans+:** Not recommended for ages under 16 **18 ans+:** Programming restricted to adults.
U.S.A. RATINGS *For programs from the United States*	(Canadian models only) Please see TV RATINGS on page 25 for information on U.S.A. RATINGS.

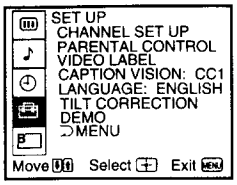




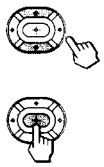
Using the PARENTAL CONTROL menu

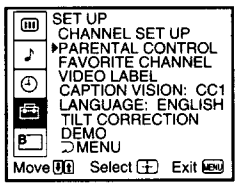
This section shows you how to access the PARENTAL CONTROL menu. After you follow the example below, the next section shows you how to adjust your TV's rating.

1 Press **MENU** and select the SET UP menu.



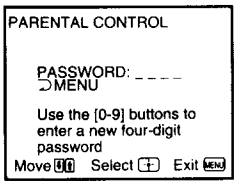
2 Point the cursor to PARENTAL CONTROL and press ⊕.



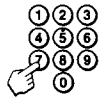


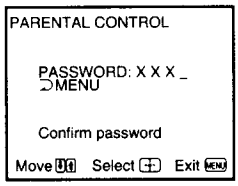
You will be asked to enter a 4-digit password for any future access into the PARENTAL CONTROL menu.

3 Press ⊕ and use the **0-9** buttons to enter your 4-digit password.



4 Confirm your password by entering it again.

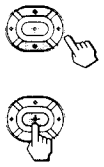


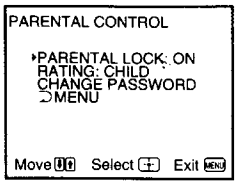


Once your password is set correctly, you will be taken into the PARENTAL CONTROL menu.

In order to change the RATING you will need to set PARENTAL LOCK to ON.

5 Point the cursor at PARENTAL LOCK and press ⊕. Press ↑ or ↓ to ON and press ⊕.





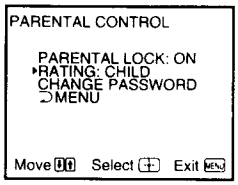
See pages 25-26 for an overview of the Parental Guideline ratings.

Tip

Keep this instruction manual in a safe place. In the event that you forget your password, please see page 33.

Setting the TV's RATING

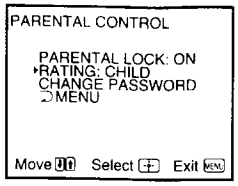
This section provides information on how to set the TV's RATING and how to change your password.



Note

Entering your password to view a blocked program will temporarily turn PARENTAL LOCK to OFF. To reactivate your PARENTAL CONTROL settings, turn the TV off then back on; the TV will restore your rating settings.

PARENTAL LOCK	**ON:** Select to activate the RATING. **OFF:** Turns off current ratings.
RATING	If you are not familiar with the Parental Guideline rating system, you should use one of the following preselected categories to help simplify the rating selection. **The following maximum ratings will be allowed:** **CHILD:** TV-Y, TV-G, G (U.S. models only), TV-Y, G (Canadian models only). **YOUTH:** TV-PG, PG (U.S. models only), TV-PG, PG, 8 ans+ (Canadian models only). **YOUNG ADULT:** TV-14, PG-13 (U.S. models only), TV-14, 14+, 13 ans+ (Canadian models only). **CUSTOM:** If you prefer to set more restrictive ratings, highlight CUSTOM and press →. See pages 25-26, for an overview of the rating systems available. **In the CUSTOM RATINGS menu:** **1** Select the desired rating category and press →. **2** Press ↑ or ↓ to select the maximum rating or content and press →. **3** Press ↑ or ↓ to block or unblock the rating or content and press →. *Once you have blocked a rating or content, all higher ratings or contents will be automatically blocked.* **To view a blocked program:** Press **ENTER** on the remote control, then use the **0-9** buttons to enter your password.
CHANGE PASSWORD	**To reset your password:** **1** Move the cursor to CHANGE PASSWORD press →. **2** Use the **0-9** buttons to create a new password, enter again to confirm. *In the event that you forget your password, see page 33.*



Programming the remote

You can use the supplied remote control to operate Sony or non-Sony video equipment.

1 Press **CODE SET**.

2 Press **VTR/DVD** (FUNCTION).

3 Use the **0-9** buttons to key in the manufacturer's code number from the following chart.

4 Press **ENTER**.

VCR code numbers

Manufacturer	Code
Sony	301, 302, 303
Admiral (M. Ward)	327
Aiwa	338, 344
Audio Dynamic	314, 337
Broksonic	319, 317
Canon	309, 308
Citizen	332
Craig	302, 332
Criterion	315
Curtis Mathes	304, 338, 309
Daewoo	341, 312, 309
DBX	314, 336, 337
Dimensia	304
Emerson	319, 320, 316, 317, 318, 341
Fisher	330, 335
Funai	338
General Electric	329, 304, 309
Go Video	322, 339, 340
Goldstar	332
Hitachi	306, 304, 305,338
Instant Replay	309, 308
JC Penney	309, 305, 304, 330, 314, 336, 337
JVC	314, 336, 337, 345, 346, 347
Kenwood	314, 336, 332, 337
LXI (Sears)	332, 305, 330, 335, 338
Magnavox	308, 309, 310
Marantz	314, 336, 337
Marta	332
Memorex	309, 335
Minolta	305, 304
Mitsubishi/MGA	323, 324, 325, 326
Multitech	325, 338, 321
NEC	314, 336, 337
Olympic	309, 308
Optimus	327
Panasonic	308, 309, 306, 307
Pentax	305, 304
Philco	308, 309
Philips	308, 309, 310
Pioneer	308
Quasar	308, 309, 306
RCA/PROSCAN	304, 305, 308, 309, 311, 312, 313, 310, 329
Realistic	309, 330, 328, 335, 324, 338
Sansui	314
Samsung	322, 313, 321
Sanyo	330, 335
Scott	312, 313, 321, 335, 323, 324, 325, 326
Sharp	327, 328
Shintom	315
Signature 2000 (M. Ward)	338, 327
SV2000	338
Sylvania	308, 309, 338, 310
Symphonic	338
Tashiro	332
Tatung	314, 336, 337
Teac	314. 336, 338, 337
Technics	309, 308
Toshiba	312, 311
Wards	327, 328, 335, 331, 332
Yamaha	314, 330, 336, 337
Zenith	331

Operating a VCR	Buttons on the remote control
To turn on or off	Press **VTR/DVD** (POWER).
To select a channel directly	Press the **0-9** buttons.
To change channels	Press **CH +/–**.
To record	Press ► and ● simultaneously.
To play	Press ►.
To stop	Press ■.
To fast forward	Press ►►.
To rewind the tape	Press ◄◄.
To pause	Press **II**. To resume normal playback, press again or press ►.
To scan	Press ►► or ◄◄ during playback. To resume normal playback, release the button.
To change input mode	Press **TV/VTR**.

Tips

- *In some rare cases, you may not be able to operate your non-Sony video equipment with the supplied remote control. In this case, please use the equipment's own remote control.*
- *When you remove the batteries, the code number may revert to the factory setting.*
- *The code numbers for Sony VCRs are assigned at the factory as follows:*

VHS VCR	**301** (preset code for the supplied remote control)
8 mm VCR	**302**
Beta, ED Beta VCRs	**303**

Laserdisc code numbers

Manufacturer	Code
Sony	701
Panasonic	704, 710
Pioneer	702

Operating a Laserdisc	Buttons on the remote control
To turn on or off	Press **VTR/DVD** (POWER).
To play	Press ►.
To stop	Press ■.
To pause	Press **II**. To resume normal playback, press again or press ►.
To scan	Press ►► or ◄◄ during playback. To resume normal playback, press ►.
To search the chapter forward or backward	Press **CH +/–**.

Tip

If you will not be programming a satellite receiver or cable box into the SAT/CABLE function of your remote, you can use it to program other video equipment (e.g. DVD, MDP, or second VCR).

DVD (Digital Versatile Disc) code numbers

Manufacturer	Code
Sony	751
Panasonic	753
Pioneer	752
RCA	755
Toshiba	754

Operating a DVD player	Buttons on the remote control
To turn on or off	Press **VTR/DVD** (POWER).
To play	Press ►.
To stop	Press ■.
To pause	Press **II**. To resume normal playback, press again or press ►.
To scan	Press ►► or ◄◄ during playback. To resume normal playback, press ►.
To search the chapter forward or backward	Press **CH +/–**.
To select chapters directly	**0-9** + **ENTER**.
MENU	Press to display DVD menu.
To move cursor in menu	Use your arrow buttons ↑, ↓, ←, →.

Programming the remote control

You can program the supplied remote control to operate a cable box or satellite receiver.

1 Press **CODE SET**.

2 Press **SAT/CABLE** (FUNCTION).

3 Use the **0-9** buttons to key in the manufacturer's code number from the following chart.

4 Press **ENTER**.

For more details on operating the cable box or satellite receiver

Refer to the operating instructions that were supplied with the equipment.

If the remote control doesn't work

First, try repeating the setup procedures using the other codes listed for your equipment.

Tips

- *If more than one code number is listed, try entering them one by one until you come to the correct code for your equipment.*
- *If you enter a new code number, the code number you previously entered at that setting is erased.*
- *In some rare cases, you may not be able to operate your equipment with the supplied remote control. In this case, use the equipment's supplied remote control.*
- *Whenever you remove the batteries the code numbers may revert to the factory setting.*

Cable box code numbers

Manufacturer	Code
Hamlin/Regal	222, 223, 224, 225, 226
Jerrold/G. I.	201, 202, 203, 204, 205, 206, 207, 208, 218
Oak	227, 228, 229
Panasonic	219, 220, 221
Pioneer	214, 215
Scientific Atlanta	209, 210, 211
Tocom	216, 217
Zenith	212, 213

Satellite receiver code numbers

Manufacturer	Code
Sony	801 (preset code for remote control)
General Electric	802
Hitachi	805
Hughes	804
Panasonic	803
RCA/PROSCAN	802, 808
Toshiba	806, 807

Consult the table below; it suggests solutions to specific problems.

Problem	What it could be	What you can do
You want to restore the TV's factory settings		• First, turn the TV on. Then while pressing the **RESET** button on the remote control, press the **POWER** button on the TV. The TV will turn itself off and then back on. When the TV turns on again, all settings will be reset, and the initial setup screen will appear.
A red light keeps flashing on the TV for more than a few seconds	• Your TV may need service.	• Call your local Sony service center.
TV makes a noise when turned on	• This is a normal function of your TV.	
Screen is not lit and there is no sound	• Power cord may not be plugged in. • Remote control batteries may not be inserted correctly. • TV/VIDEO setting may be incorrect. • Current program may exceed PARENTAL CONTROL settings.	• Check your power cord. • Re-insert the batteries in your remote control. • Press **TV/VIDEO** until you receive a channel. • Check your PARENTAL CONTROL settings, (page 28).
Poor or no picture (screen lit), good sound	• VIDEO menu settings may not be adjusted correctly. • Antenna/cable connections may be faulty. • VIDEO LABEL inputs may be set to WEB. (This label darkens the screen for ideal WebTV viewing)	• Readjust your VIDEO menu settings, (page 19). • Check your VIDEO LABEL settings, (page 22).
Good picture, no sound	• Sound may be set to MUTING. • Your TV may be set to SAP. • SPEAKER may not be set correctly.	• Press **MUTING**. • Check the MTS setting in the AUDIO menu, (page 20). • Check your SPEAKER settings, (page 20).
No color	• Color settings may not be adjusted correctly.	• Adjust the COLOR settings in the VIDEO menu, (page 19).
Only snow and noise appear on the screen	• CABLE may not be set correctly in the CHANNEL SET UP menu. • Antenna/cable connections may not be correct. • TV may be set to AUX mode.	• Ensure that you have selected the correct CABLE mode in the CHANNEL SET UP menu, (page 23). • Press **ANT** on your remote control to change the input mode, (page 15).

Problem	What it could be	What you can do
Cannot receive upper channels (UHF) when using an antenna	• CABLE setting may not be correct in the CHANNEL SET UP menu.	• Ensure that CABLE is set to OFF in the CHANNEL SET UP menu, (page 23). • Use AUTO PROGRAM to add receivable channels that are not presently in TV memory, (page 23).
Cannot receive any channels when using cable	• CABLE setting may not be correct in the CHANNEL SET UP menu.	• Ensure that CABLE is set to OFF in the CHANNEL SET UP menu, (page 23). • Use AUTO PROGRAM to add receivable channels that are not presently in TV memory, (page 23).
Cannot gain enough volume when using a cable box	• Volume may not be adjusted on your cable box.	• Use the remote control supplied with the cable box.
TV is fixed to one channel	• CHANNEL FIX settings may not be correct.	• Check your CHANNEL FIX settings, (page 23).
Lost password for PARENTAL CONTROL		• In the password screen, enter the following master password: 4357. The master password cannot be used to unlock currently blocked channels.

If, after reading these operating instructions, you have additional questions related to the use of your Sony television, please call our Direct Response Center at 1-800-222-SONY (7669)(U.S. residents only) or (416) 499-SONY (7669)(Canadian residents only).

Supplied accessories

Remote control RM-Y168 (KV-32FS10, 36FS10 only), RM-Y171 (KV-27FV15, 32FV15, 36FV15 only)(1)

Batteries size AA (R6) (2)

Optional accessories

Connecting cables
RK-74A, RK-G69HG, VMC-10HG, VMC-720M, VMC-810S/820S, YC-15V/30V

TV Stand SU-27FD2, SU-32FD2, SU-36FD2

U/V mixer EAC-66

	KV – 27FV15	KV – 32FS10	KV – 32FV15	KV – 36FS10	KV – 36FV15
Power requirements	120 V, 60 Hz	120 V, 60 Hz	120 V, 60 Hz	120 V, 60 Hz	120 V, 60 Hz
Number of inputs/outputs					
Video [1]	3	3	3	3	3
S VIDEO [2]	2	2	2	2	2
Audio [3]	3	4	4	4	4
Audio out [4]	1	1	1	1	1
Monitor out [1]	1	1	1	1	1
S-Link	2	—	3	—	3
Y, P_B, P_R [5]	—	1	1	1	1
Speaker output (W)	15W × 2	10W × 2	15W × 2	10W × 2	15W × 2
Power consumption (W)					
In use (Max.)	165 W	190 W	200 W	190 W	200 W
In standby	2 W	2 W	2 W	2 W	2 W
Dimensions (W/H/D)					
(mm)	762 × 604 × 499 mm	882 × 687 × 592 mm	882 × 687 × 592 mm	974 × 757 × 633 mm	974 × 757 × 633 mm
(in.)	30 × 23 3/4 × 19 5/8 in	34 3/4 × 27 × 23 1/4 in	34 3/4 × 27 × 23 1/4 in	38 3/8 × 29 3/4 × 24 7/8 in	38 × 29 3/4 × 25 in
Mass (kg)	50 kg	80 kg	80 kg	107 kg	107 kg
	110 lbs	176 lbs	176 lbs	236 lbs	236 lbs

Notes

1) 1 Vp-p, 75 ohms unbalanced, sync negative
2) Y: 1 Vp-p, 75 ohms unbalanced, sync negative
   C: 0.286 Vp-p (Burst signal), 75 ohms
3) 500 mVrms Impedance: 47 kilohms
4) More than 408 mVrms at the maximum volume setting (variable)
   More than 408 mVrms (fix)
   Impedance (Output): 2 kilohms
5) Y: 1.0 Vp-p, 75 ohms, sync negative
   P_B: 0.7 Vp-p, 75 ohms
   P_R: 0.7 Vp-p, 75 ohms

Television system
American TV standard, NTSC

Channel coverage
VHF: 2–13/UHF: 14 –69/CATV: 1 – 125

Picture tube
FD Trinitron® tube

Visible screen size
27-inch picture measured diagonally (KV-27FV15 only)
32-inch picture measured diagonally (KV-32FS10, 32FV15 only)
36-inch picture measured diagonally (KV-36FS10, 36FV15 only)

Actual screen size
29-inch picture measured diagonally (KV-27FV15 only)
34-inch picture measured diagonally (KV-32FS10, 32FV15 only)
38-inch picture measured diagonally (KV-36FS10, 36FV15 only)

Antenna
75 ohm external terminal for VHF/UHF

Design and specifications are subject to change without notice.

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